#### DECLARATION Attorne cket No. Y0999-331 (8728-310)



AS A BELOW NAMED INVENTOR, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe that I am the original, first and sole (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below), of the subject matter which is claimed and for which a patent is sought on the invention entitled:

the specification of which either is attached hereto or indicates an attorney docket no. Y0999-331 (8728-310), or:

TITLE:

# METHOD AND SYSTEM FOR ENSURING ROBUSTNESS IN NATURAL LANGUAGE UNDERSTANDING

us filed in the U.S. Patent & T	rademark Office on	and assigned Serial No,		
and (if applicable) was amended	d on			,
claims, as amended by any amendmentability and to the examination I hereby claim foreign priority benefor inventor's certificate, or §365(a) United States, or §119(e) of any United States for patent or inventor's	ent referred to above. I acknow of this application in accordancits under Title 35, U.S. Code §1 of any PCT international application	e with Title 37 of the Code of Fede 19(a)-(d) or §365(b) of any foreign a cation which designated at least one (s), listed below and have also ident perfore that of the application on wh	ion which is meral Regulation application(s) for country other iffied below an ich priority is Priority C	naterial to ns §1.56. for patent than the y foreign claimed: Claimed:
(Application Number)	(Country)	(Day/Month/Year filed)	Yes [ ]	No [ ]
	(Country)	(Day/Monin/Tear Juea)		
(Application Number)			Yes [ ]	No [ ]
(Application Number)	(Country)	(Day/Month/Year filed)		
International application designating this application is not disclosed in the paragraph of Title 35, U.S. Code, § Title 37, The Code of Federal Reguland the national or PCT international	the United States, listed below e prior United States or PCT Inte 112, I acknowledge the duty to elations, §1.56(a) which became al filing date of this application:	ernational application(s) in the manr disclose information material to pare e available between the filing date	of each of the of ner provided by tentability as d of the prior ap	claims of y the first lefined in oplication
(Application Serial Number)	(Filing Date)	(STATUS: patented,	pending, aband	doned)
(Application Serial Number)	(Filing Date)	(STATUS: patented,	pending, aband	doned)
I hereby appoint the for CHRISTOPHER A. HUGHES, Reg. No. 3 REDMOND, Jr., Reg. No. 18,753; KEVIN No. 36,266; DAVID M. SHOFI, Reg. No.	26,914; EDWARD A. PENNINGTO M. JORDAN, Reg. No. 40,277; STE	PHEN C. KAUFMAN, Reg. No. 29,551;	g. No. 26,279; <b>JO</b> <b>JAY P. SBROL</b> I	OSEPH C. LINI, Reg.

Frank Chau, Esq. F. CHAU & ASSOCIATES, LLP 1900 Hempstead Turnpike, Suite 501 East Meadow, New York 11554

MORRIS, Reg. No. 32,053; DOUGLAS W. CAMERON, Reg. No. 31,596; LOUIS J. PERCELLO, Reg. No. 33,206; and PAUL J. OTTERSTEDT, Reg. No. 37,411; each of them of INTERNATIONAL BUSINESS MACHINES CORPORATION, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed to:

Tel.: 516-357-0091

I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST OR SOLE INVENTOR: Ganesh N. Ramaswamy	Citizenship <u>Malaysia</u>
Inventor's signature: Caush D. Ramswawy  Residence & Post Office Address: 23 Lee Avenue, Ossining, NY 10562	Date: August 26, 1999
FULL NAME OF SECOND JOINT INVENTOR: Kyle A. Jamieson	Citizenship
Inventor's signature:	Date:
Residence & Post Office Address:	
FULL NAME OF THIRD JOINT INVENTOR:	Citizenship
Inventor's signature:	Date:
Residence & Post Office Address:	
	•

DECLARATION Attorne cket No. Y0999-331 (8728-310)



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TITLE:

# METHOD AND SYSTEM FOR ENSURING ROBUSTNESS IN NATURAL LANGUAGE UNDERSTANDING

the specification of which either is a	ittached hereto or indicates an a	ttorney docket no. <u>YO999-331 (872</u>	<u>:8-310)</u> , 01.
☐ was filed in the U.S. Patent & T	rademark Office on	and assigned Serial No,	
and (if applicable) was amended	d on		,
claims, as amended by any amendment patentability and to the examination I hereby claim foreign priority benef or inventor's certificate, or §365(a) United States, or §119(e) of any United	ent referred to above. I acknow of this application in accordancits under Title 35, U.S. Code §1 of any PCT international applicated States provisional application	ntents of the above-identified specific eledge the duty to disclose information e with Title 37 of the Code of Federa 19(a)-(d) or §365(b) of any foreign apparation which designated at least one constant of the application on which before that of the application on which	n which is material to al Regulations §1.56. plication(s) for patent ountry other than the ied below any foreign
(Application Number)	(Country)	(Day/Month/Year filed)	105[] 110[]
			Yes [] No []
(Application Number)	(Country)	(Day/Month/Year filed)	
International application designating this application is not disclosed in the paragraph of Title 35, U.S. Code, §	the United States, listed below e prior United States or PCT Into 112, I acknowledge the duty to lations, §1.56(a) which becam	of any United States application(s), or and, insofar as the subject matter of ernational application(s) in the manner disclose information material to pater a available between the filing date of	each of the claims of provided by the first ntability as defined in
(Application Serial Number)	(Filing Date)	(STATUS: patented, pe	ending, abandoned)
	(Filing Date)	(STATUS: patented, pe	

I hereby appoint the following attorneys: MANNY W. SCHECTER, Reg. No. 31,722; TERRY J. ILARDI, Reg. 29,936; CHRISTOPHER A. HUGHES, Reg. No. 26,914; EDWARD A. PENNINGTON, Reg. No. 32,588; JOHN E. HOEL, Reg. No. 26,279; JOSEPH C. REDMOND, Jr., Reg. No. 18,753; KEVIN M. JORDAN, Reg. No. 40,277; STEPHEN C. KAUFMAN, Reg. No. 29,551; JAY P. SBROLLINI, Reg. No. 36,266; DAVID M. SHOFI, Reg. No. 39,835; ROBERT M. TREPP, Reg. No. 25,933; LOUIS P. HERZBERG, Reg. No. 41,500; DANIEL P. MORRIS, Reg. No. 32,053; DOUGLAS W. CAMERON, Reg. No. 31,596; LOUIS J. PERCELLO, Reg. No. 33,206; and PAUL J. OTTERSTEDT, Reg. No. 37,411; each of them of INTERNATIONAL BUSINESS MACHINES CORPORATION, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed to:

Frank Chau, Esq. F. CHAU & ASSOCIATES, LLP 1900 Hempstead Turnpike, Suite 501 East Meadow, New York 11554

Tel.: 516-357-0091

I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST OR SOLE INVENTOR: Ganesh N. Ramaswamy	Citizenship
Inventor's signature:	Date:
FULL NAME OF SECOND JOINT INVENTOR: Kyle A. Jamieson  Inventor's signature:  Residence & Post Office Address  57 Model Avenue, Hopewell, New Jers	Date: 8/28/99
FULL NAME OF THIRD JOINT INVENTOR: Jan Kleindienst  Inventor's signature:  Residence & Post Office Address:	ъ.
	Commonwealth of Massachusetts  Middlesex, S.S. Date 8/28/99  Then personally appeared the above named  KYLE A. JAMNESO D'  and acknowledged the foregoing instrument to be his/her tree act and deed, before me  RICHARD L. BREWER, Notary Public  My Commission Expires August 4, 2009  Meethard A. Brewer

### DECLARATION Attornation ocket No. \_\_\_\_

ocket No. <u>Y0999-331 (8728-310)</u>



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TITLE:

# METHOD AND SYSTEM FOR ENSURING ROBUSTNESS IN NATURAL LANGUAGE UNDERSTANDING

this application is not disclosed in the paragraph of Title 35, U.S. Code, § Title 37, The Code of Federal Regular and the national or PCT internation (Application Serial Number)	ulations, §1.56(a) which became	e available between the filing date	tentability as defined in
paragraph of Title 35, U.S. Code, § Title 37, The Code of Federal Regular and the national or PCT internation	ulations, §1.56(a) which became al filing date of this application:	e available between the filing date	tentability as defined in of the prior application
paragraph of Title 35, U.S. Code, § Title 37, The Code of Federal Regu	ulations, §1.56(a) which became	e available between the filing date	tentability as defined in
paragraph of Title 35, U.S. Code, §			tentability as defined in
this application is not disclosed in the			
		rnational application(s) in the man	
I hereby claim the benefit un International application designating		of any United States application(s), and, insofar as the subject matter of	
(Apprilication Number)	(Country)	(Day/Month/Year filed)	
The state of the s	(C		Yes [ ] No [ ]
	(+0)/	(= 15)111211111 <u> </u>	
(Application Number)	(Country)	(Day/Month/Year filed)	Yes [ ] No [ ]
7. 12			Priority Claimed:
applications for patent or inventor's	s certificate having a filing date t	before that of the application on wh	_
United States, or §119(e) of any Uni	ted States provisional application	(s), listed below and have also ident	tified below any foreign
or inventor's certificate, or §365(a)			
patentability and to the examination I hereby claim foreign priority benef			
claims, as amended by any amendm			
•		ntents of the above-identified spec	•
☐ and (if applicable) was amended	d on		,
	rademark Office on	and assigned Serial No,	
☐ was filed in the U.S. Patent & T			

I hereby appoint the following attorneys: MANNY W. SCHECTER, Reg. No. 31,722; TERRY J. ILARDI, Reg. 29,936; CHRISTOPHER A. HUGHES, Reg. No. 26,914; EDWARD A. PENNINGTON, Reg. No. 32,588; JOHN E. HOEL, Reg. No. 26,279; JOSEPH C. REDMOND, Jr., Reg. No. 18,753; KEVIN M. JORDAN, Reg. No. 40,277; STEPHEN C. KAUFMAN, Reg. No. 29,551; JAY P. SBROLLINI, Reg. No. 36,266; DAVID M. SHOFI, Reg. No. 39,835; ROBERT M. TREPP, Reg. No. 25,933; LOUIS P. HERZBERG, Reg. No. 41,500; DANIEL P. MORRIS, Reg. No. 32,053; DOUGLAS W. CAMERON, Reg. No. 31,596; LOUIS J. PERCELLO, Reg. No. 33,206; and PAUL J. OTTERSTEDT, Reg. No. 37,411; each of them of INTERNATIONAL BUSINESS MACHINES CORPORATION, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed to:

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Tel.: 516-357-0091

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FULL NAME OF FIRST OR SOLE INVENTOR: Ganesh N. Ramaswamy	Citizenship
Inventor's signature:	Date:
Residence & Post Office Address:	
FULL NAME OF SECOND JOINT INVENTOR: Kyle A. Jamieson	Citizenship
Inventor's signature:	Date:
Residence & Post Office Address:	
Inventor's signature:  Residence & Post Office Address:  Jan Kleindienst  Jan Kleindienst  Jerevanska 2590 Kladno-Krochehlavy 270 04 Czec	
Podle ověřovací knihy č. 3504//	
ylastnoručně podepsal - uznal podpis za svůj vlastní  jméno a příjmení r.č.Čatum narození) 691106/0662 trvský pobyt Aladuo, Jesevausko 1590	
r.č. Latum narození) 69/106/0662	
trvisý pobyt Mladuo, Jerevauske 1590	
z	
jehož totožnost byla zjištěna podle OP (pas)  č	

- I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on



Attorney Docket No. Y0999-331 (8728-310)

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**APPLICANT(S):** 

Ramaswamy et al.

**SERIAL NO.:** 

Unassigned

FILED:

Concurrently herewith

FOR:

METHOD AND SYSTEM FOR ENSURING ROBUSTNESS

IN NATURAL LANGUAGE UNDERSTANDING

### ASSOCIATE POWER OF ATTORNEY

Please recognize FRANK CHAU, Reg. No. 34,136; JAMES J. BITETTO, Reg. No. 40,513; FRANK V. DeROSA, Reg. No. 43,584; and GASPARE J. RANDAZZO, Reg. No. 41,528; each of them of F. CHAU & ASSOCIATES, LLP, 1900 Hempstead Turnpike, Suite 501, East Meadow, New York 11554 as associate attorneys in the above-mentioned application, with full power to prosecute said application, to make alterations and amendments therein, and to transact all business in the Patent and Trademark Office connected therewith.

Telephone calls should be made to Frank Chau by dialing (516) 357-

0091.

All written communications are to be sent to Frank Chau, Esq., F. Chau & Associates, LLP, 1900 Hempstead Turnpike, Suite 501, East Meadow, New York 11554.

International Business Machines Corporation T.J. Watson Research Center Route 134 and Kitchawan Road Yorktown Heights, New York 10598 Manny W. Schecter Registration No. 31,722 Paul J. Otterstedt

Registration No. 37,411 Attorney for Applicant(s)